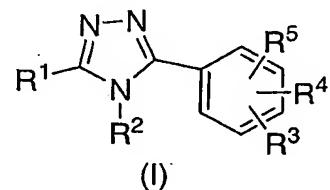


WHAT IS CLAIMED IS:

1. A method of treating a condition responsive to inhibition of 11β -hydroxysteroid dehydrogenase-1 in a mammal in need thereof comprising administering to said mammal a therapeutically effective amount of a compound of structural formula I:



or a pharmaceutically acceptable salt thereof; wherein

each n is 0, 1, or 2;

each p is 0, 1, or 2;

R¹ is aryl or heteroaryl wherein heteroaryl is selected from the group consisting of

pyridyl,

thienyl,

furyl,

pyrazolyl,

thiazolyl,

oxazolyl,

imidazolyl,

indolyl,

benzothiophenyl,

benzofuryl, and

benzimidazolyl;

in which aryl and heteroaryl are substituted with one to four substituents independently selected from R³, R⁴, and R⁵;

R² is selected from the group consisting of

C₁₋₄ alkyl,

C₂₋₄ alkenyl, and

(CH₂)_n-C₃₋₆ cycloalkyl;

R³, R⁴, and R⁵ are each independently selected from the group consisting of

hydrogen,

formyl,

C₁₋₆ alkyl,

C₂-6 alkenyl,
(CH₂)_n-aryl,
(CH₂)_n-heteroaryl,
(CH₂)_n-heterocyclyl,
(CH₂)_nC₃-7 cycloalkyl,
halogen,
OR⁷,
(CH₂)_nN(R⁷)₂,
cyano,
(CH₂)_nCO₂R⁷,
NO₂,
(CH₂)_nNR⁷SO₂R⁶,
(CH₂)_nSO₂N(R⁷)₂,
(CH₂)_nS(O)_pR⁶,
(CH₂)_nSO₂OR⁷,
(CH₂)_nNR⁷C(O)N(R⁷)₂,
(CH₂)_nC(O)N(R⁷)₂,
(CH₂)_nNR⁶C(O)R⁶,
(CH₂)_nNR⁶CO₂R⁷,
O(CH₂)_nC(O)N(R⁷)₂,
CF₃,
CH₂CF₃,
OCF₃,
OCHCF₂, and
OCH₂CF₃;

wherein aryl, heteroaryl, cycloalkyl, and heterocyclyl are unsubstituted or substituted with one to three substituents independently selected from halogen, hydroxy, C₁-4 alkyl, trifluoromethyl, trifluoromethoxy, and C₁-4 alkoxy; and wherein any methylene (CH₂) carbon atom in R³, R⁴, and R⁵ is unsubstituted or substituted with one to two groups independently selected from halogen, hydroxy, and C₁-4 alkyl; or two substituents when on the same methylene (CH₂) carbon atom are taken together with the carbon atom to which they are attached to form a cyclopropyl group; each R⁶ is independently selected from the group consisting of

C₁-8 alkyl,
C₂-4 alkynyl,
(CH₂)_n-aryl,

(CH₂)_n-heteroaryl, and

(CH₂)_nC₃₋₇ cycloalkyl;

wherein alkyl and cycloalkyl are unsubstituted or substituted with one to five substituents independently selected from halogen, oxo, C₁₋₄ alkoxy, C₁₋₄ alkylthio, hydroxy, and amino; and aryl and heteroaryl are unsubstituted or substituted with one to three substituents independently selected from cyano, halogen, hydroxy, amino, carboxy, trifluoromethyl, trifluoromethoxy, C₁₋₄ alkyl, and C₁₋₄ alkoxy; or two R⁶ groups together with the atom to which they are attached form a 5- to 8-membered mono- or bicyclic ring system optionally containing an additional heteroatom selected from O, S, and NC₀₋₄ alkyl; and each R⁷ is hydrogen or R⁶.

2. The method of Claim 1 wherein said condition is selected from the group consisting of diabetes, obesity, insulin resistance, a lipid disorder, hypertension, atherosclerosis, and Metabolic Syndrome.

3. The method of Claim 1 wherein R² is methyl.

4. The method of Claim 1 wherein R³ is hydrogen and R⁴ and R⁵ are each independently selected from the group consisting of amino, halogen, hydroxy, nitro, trifluoromethyl, trifluoromethoxy, difluoromethoxy, C₂₋₃ alkynyoxy, C₁₋₅ alkyl, cyclopropyl, C₁₋₄ alkoxy, C₁₋₄ alkylthio, and C₁₋₄ alkylsulfonyl.

5. The method of Claim 1 wherein R¹ is phenyl or naphthyl each of which is substituted with one to three substituents independently selected from R³.

6. The method of Claim 5 wherein R³ is selected from the group consisting of amino, halogen, hydroxy, nitro, trifluoromethyl, trifluoromethoxy, difluoromethoxy, C₁₋₅ alkyl, C₁₋₄ alkoxy, C₁₋₄ alkylsulfonyl, phenyl, phenoxy, phenylthio, and phenylsulfonyl, wherein the phenyl moiety of each is unsubstituted or substituted with one to three substituents independently selected from cyano, halogen, hydroxy, amino, carboxy, trifluoromethyl, trifluoromethoxy, C₁₋₄ alkyl, and C₁₋₄ alkoxy.

7. The method of Claim 6 wherein R² is methyl.

8. The method of Claim 1 wherein R¹ is heteroaryl substituted with one to three substituents independently selected from R³.

9. The method of Claim 8 wherein R² is methyl.

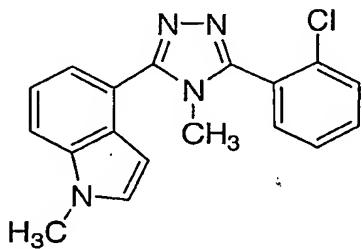
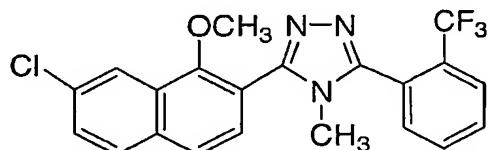
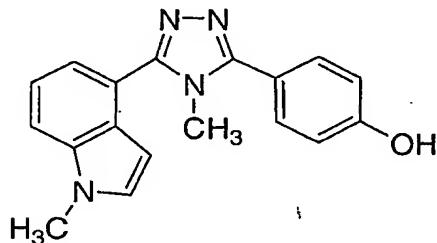
10. The method of Claim 8 wherein heteroaryl is pyrazolyl or indolyl, each of which is substituted with one to three substituents independently selected from R³.

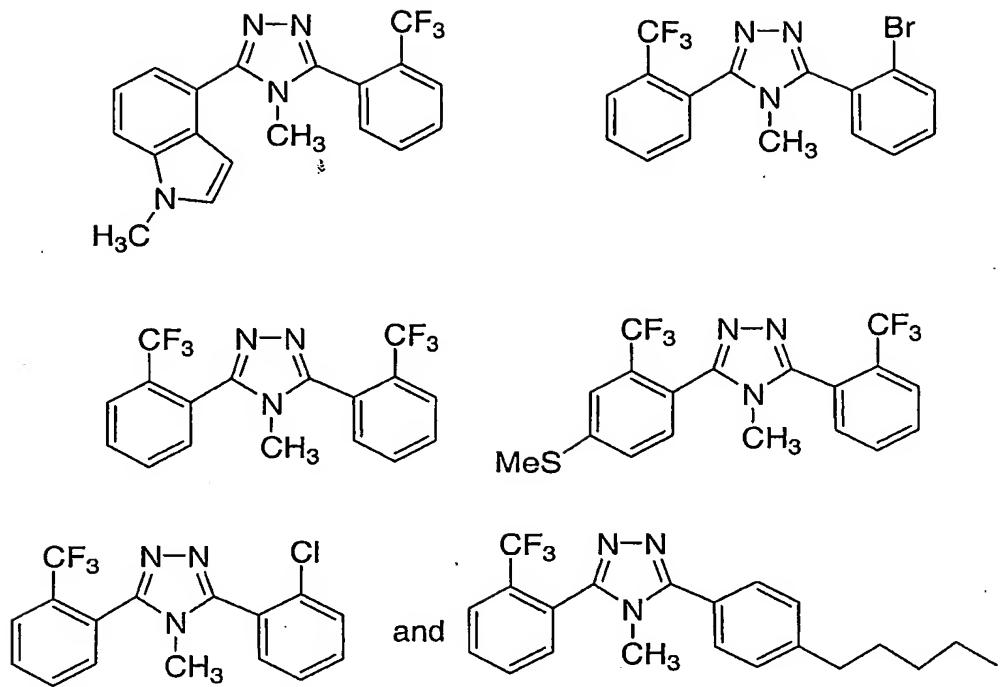
11. The method of Claim 10 wherein R² is methyl.

12. The method of Claim 10 wherein R³ is selected from the group consisting of amino, halogen, hydroxy, nitro, trifluoromethyl, trifluoromethoxy, C₁₋₅ alkyl, C₁₋₄ alkoxy, C₁₋₄ alkylsulfonyl, phenyl, phenoxy, phenylthio, and phenylsulfonyl, wherein the phenyl moiety of each is unsubstituted or substituted with one to three substituents independently selected from cyano, halogen, hydroxy, amino, carboxy, trifluoromethyl, trifluoromethoxy, C₁₋₄ alkyl, and C₁₋₄ alkoxy.

13. The method of Claim 12 wherein R² is methyl.

14. The method of Claim 1 wherein the compound of structural formula I is selected from the group consisting of:

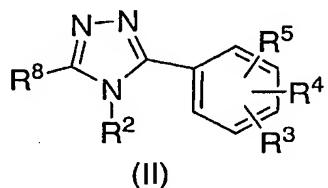




or a pharmaceutically acceptable salt thereof.

15. The method of Claim 2 wherein said diabetes is Type 2 diabetes.

16. A compound of structural formula II:



or a pharmaceutically acceptable salt thereof; wherein

each n is 0, 1, or 2;

each p is 0, 1, or 2;

R⁸ is naphthyl or heteroaryl wherein heteroaryl is selected from the group consisting of

pyridyl,

thienyl,

furyl,

pyrazolyl,

thiazolyl,
oxazolyl,
imidazolyl,
indolyl,
benzothiophenyl,
benzofuryl, and
benzimidazolyl;

in which naphthyl and heteroaryl are substituted with one to three substituents independently selected from R³, R⁴, and R⁵;

R² is methyl or cyclopropyl;

R³, R⁴, and R⁵ are each independently selected from the group consisting of

hydrogen,
formyl,
C₁₋₆ alkyl,
C₂₋₆ alkenyl,
(CH₂)_n-aryl,
(CH₂)_n-heteroaryl,
(CH₂)_n-heterocyclyl,
(CH₂)_nC₃₋₇ cycloalkyl,
halogen,
OR⁷,
(CH₂)_nN(R⁷)₂,
cyano,
(CH₂)_nCO₂R⁷,
NO₂,
(CH₂)_nNR⁷SO₂R⁶,
(CH₂)_nSO₂N(R⁷)₂,
(CH₂)_nS(O)pR⁶,
(CH₂)_nSO₂OR⁷,
(CH₂)_nNR⁷C(O)N(R⁷)₂,
(CH₂)_nC(O)N(R⁷)₂,
(CH₂)_nNR⁶C(O)R⁶,
(CH₂)_nNR⁶CO₂R⁷,
O(CH₂)_nC(O)N(R⁷)₂,
CF₃,

CH_2CF_3 ,
 OCF_3 ,
 OCHCF_2 , and
 OCH_2CF_3 ;

wherein aryl, heteroaryl, cycloalkyl, and heterocyclyl are unsubstituted or substituted with one to three substituents independently selected from halogen, hydroxy, C₁₋₄ alkyl, trifluoromethyl, trifluoromethoxy, and C₁₋₄ alkoxy; and wherein any methylene (CH₂) carbon atom in R³, R⁴, and R⁵ is unsubstituted or substituted with one to two groups independently selected from halogen, hydroxy, and C₁₋₄ alkyl; or two substituents when on the same methylene (CH₂) carbon atom are taken together with the carbon atom to which they are attached to form a cyclopropyl group; each R⁶ is independently selected from the group consisting of

C₁₋₈ alkyl,
 $(\text{CH}_2)_n\text{-aryl}$,
 $(\text{CH}_2)_n\text{-heteroaryl}$, and
 $(\text{CH}_2)_n\text{C}_3\text{-7 cycloalkyl}$;

wherein alkyl and cycloalkyl are unsubstituted or substituted with one to five substituents independently selected from halogen, oxo, C₁₋₄ alkoxy, C₁₋₄ alkylthio, hydroxy, amino; and aryl and heteroaryl are unsubstituted or substituted with one to three substituents independently selected from cyano, halogen, hydroxy, amino, carboxy, trifluoromethyl, trifluoromethoxy, C₁₋₄ alkyl, and C₁₋₄ alkoxy; or two R⁶ groups together with the atom to which they are attached form a 5- to 8-membered mono- or bicyclic ring system optionally containing an additional heteroatom selected from O, S, and NC₁₋₄ alkyl; and

each R⁷ is hydrogen or R⁶.

17. The compound of Claim 16 wherein R² is methyl.

18. The compound of Claim 16 wherein R⁸ is indolyl or pyrazolyl substituted with one to three substituents independently selected from R³.

19. The compound of Claim 18 wherein R² is methyl.

20. A compound which is selected from the group consisting of:

4-methyl-3,5-bis[2-(trifluoromethyl)phenyl]-4H-1,2,4-triazole;
4-methyl-3-[4-(methylthio)-2-(trifluoromethyl)phenyl]-5-[2-(trifluoromethyl)phenyl]-4H-1,2,4-triazole;

4-methyl-3-(4-pentylphenyl)-5-[2-(trifluoromethyl)phenyl]-4*H*-1,2,4-triazole;
3-(2-chlorophenyl)-4-methyl-5-[2-(trifluoromethyl)phenyl]-4*H*-1,2,4-triazole;
3-(1-methoxy-2-naphthyl)-4-methyl-5-[2-(trifluoromethyl)phenyl]-4*H*-1,2,4-triazole;
4-[5-(2-chlorophenyl)-4-methyl-4*H*-1,2,4-triazol-3-yl]-1-methyl-1*H*-indole;
4-{4-methyl-5-[2-(trifluoromethyl)phenyl]-4*H*-1,2,4-triazol-3-yl}-1-methyl-1*H*-indole;
3-(2-bromophenyl)-4-methyl-5-[2-(trifluoromethyl)phenyl]-4*H*-1,2,4-triazole;
3-(7-chloro-1-methoxy-2-naphthyl)-4-methyl-5-[2-(trifluoromethyl)-4*H*-1,2,4-triazole;
4-[4-methyl-5-(1-methyl-1*H*-indol-4-yl)-4*H*-1,2,4-triazol-3-yl]phenol;
3-(2,4-dichlorophenyl)-4-methyl-5-[2-(trifluoromethyl)phenyl]-4*H*-1,2,4-triazole;
3-[2,4-bis(trifluoromethyl)phenyl]-4-methyl-5-[2-(trifluoromethyl)phenyl]-4*H*-1,2,4-triazole;
3-(2-chlorophenyl)-5-(2,4-dichlorophenyl)-4-methyl-4*H*-1,2,4-triazole;
3-(2-chloro-4-fluorophenyl)-4-methyl-5-[2-(trifluoromethyl)phenyl]-4*H*-1,2,4-triazole;
3-(2,4-dichlorophenyl)-4-methyl-5-[2-(methylthio)phenyl]-4*H*-1,2,4-triazole;
3-(2,4-dichlorophenyl)-4-methyl-5-(2-methylphenyl)-4*H*-1,2,4-triazole;
3-(2-chlorophenyl)-5-[5-(2-chlorophenyl)-1-methyl-1*H*-pyrazol-3-yl]-4-methyl-4*H*-1,2,4-triazole;
4-[5-(2-methoxyphenyl)-4-methyl-4*H*-1,2,4-triazol-3-yl]-1-methyl-1*H*-indole;
4-methyl-3-(2-methyl-1-naphthyl)-5-[2-(trifluoromethyl)phenyl]-4-methyl-4*H*-1,2,4-triazole;
3-(1,4-dichloro-2-naphthyl)-4-methyl-5-[2-(trifluoromethyl)phenyl]-4*H*-1,2,4-triazole;
3-(4-chloro-1-methoxy-2-naphthyl)-4-methyl-5-[2-(trifluoromethyl)phenyl]-4*H*-1,2,4-triazole;
3-(1-fluoro-2-naphthyl)-4-methyl-5-[2-(trifluoromethyl)phenyl]-4*H*-1,2,4-triazole;
N-methyl-2-{4-methyl-5-[trifluoromethyl)phenyl]-4*H*-1,2,4-triazol-3-yl}naphthalen-1-amine;
3,5-bis-(2,4-dimethylphenyl)-4-methyl-4*H*-1,2,4-triazole;
3-(2,4-dichlorophenyl)-5-[2-(ethylthio)phenyl]-4-methyl-4*H*-1,2,4-triazole;
3-(2-cyclopropylphenyl)-5-(2,4-dichlorophenyl)-4-methyl-4*H*-1,2,4-triazole;
3-[2-chloro-4-(ethylthio)phenyl]-5-(2-fluorophenyl)-4-methyl-4*H*-1,2,4-triazole;
3-(2-methoxyphenyl)-4-methyl-5-[2-(trifluoromethyl)phenyl]-4*H*-1,2,4-triazole;
3-(2,6-dichlorophenyl)-4-methyl-5-[2-(trifluoromethyl)phenyl]-4*H*-1,2,4-triazole;
3-(2-chlorophenyl)-5-[(2-difluoromethoxy)phenyl]-4-methyl-4*H*-1,2,4-triazole;
3-(2-chloro-4-fluorophenyl)-5-(2-chlorophenyl)-4-methyl-4*H*-1,2,4-triazole;
3-(2,4-dichlorophenyl)-5-[(2-difluoromethoxy)phenyl]-4-methyl-4*H*-1,2,4-triazole;
4-methyl-3-(2-phenoxyphenyl)-5-[2-(trifluoromethyl)phenyl]-4*H*-1,2,4-triazole;
4-methyl-3-[2-(trifluoromethoxy)phenyl]-5-[2-(trifluoromethyl)phenyl]-4*H*-1,2,4-triazole;
4-methyl-3-[2-(prop-2-yn-1-yloxy)phenyl]-5-[2-(trifluoromethyl)phenyl]-4*H*-1,2,4-triazole;
3-{2-[(4-chlorophenyl)thio]phenyl}-4-methyl-5-[2-(trifluoromethyl)phenyl]-4*H*-1,2,4-triazole;
3-[2-(difluoromethoxy)phenyl]-4-methyl-5-[2-(trifluoromethyl)phenyl]-4*H*-1,2,4-triazole;

3-(2-ethoxyphenyl)-4-methyl-5-[2-(trifluoromethyl)phenyl]-4*H*-1,2,4-triazole;
4-methyl-3-(2-propoxypyhenyl)-5-[2-(trifluoromethyl)phenyl]-4*H*-1,2,4-triazole;
3,5-bis(2-chlorophenyl)-4-methyl-4*H*-1,2,4-triazole;
3,5-bis(2,3-dichlorophenyl)-4-methyl-4*H*-1,2,4-triazole;
3-(3-chloro-2-naphthyl)-4-methyl-5-[2-(trifluoromethyl)phenyl]-4*H*-1,2,4-triazole;
3-(5-chloro-6-methoxy-1-naphthyl)-4-methyl-5-[2-(trifluoromethyl)phenyl]-4*H*-1,2,4-triazole;
3-[2-(4-chlorophenoxy)phenyl]-4-methyl-5-[2-(trifluoromethyl)phenyl]-4*H*-1,2,4-triazole;
3-[4-(4-chlorophenoxy)phenyl]-4-methyl-5-[2-(trifluoromethyl)phenyl]-4*H*-1,2,4-triazole;
3-[4-chloro-5-(2-chlorophenyl)-1-methyl-1*H*-pyrazol-3-yl]-4-methyl-5-[2-(trifluoromethyl)phenyl]-4*H*-1,2,4-triazole;
4-methyl-3-(2,4,6-trichloro-1-naphthyl)-5-[2-(trifluoromethyl)phenyl]-4*H*-1,2,4-triazole;
3-(2-chlorophenyl)-4-methyl-5-[2-(trifluoromethoxy)phenyl]-4*H*-1,2,4-triazole;
3-(2-bromophenyl)-5-(2-methoxyphenyl)-4-methyl-4*H*-1,2,4-triazole;
3-(2,3-dichlorophenyl)-4-methyl-5-(2-methylphenyl)-4*H*-1,2,4-triazole;
3-(2,3-dichlorophenyl)-5-(2-methoxyphenyl)-4-methyl-4*H*-1,2,4-triazole;
3-(2-bromophenyl)-4-methyl-5-(2-methylphenyl)-4*H*-1,2,4-triazole;
4-methyl-3-(2-methylphenyl)-5-[2-(trifluoromethoxy)phenyl]-4*H*-1,2,4-triazole;
3-(2-chlorophenyl)-4-cyclopropyl-5-[2-(trifluoromethyl)phenyl]-4*H*-1,2,4-triazole;
3-(4-chloro-3-methoxy-2-naphthyl)-4-methyl-5-[2-(methylthio)phenyl]-4*H*-1,2,4-triazole;
3-[2-(4-chlorophenoxy)phenyl]-4-methyl-5-[2-(methylthio)phenyl]-4*H*-1,2,4-triazole;
3-[2-(4-chlorophenoxy)phenyl]-4-methyl-5-[2-(methylsulfonyl)phenyl]-4*H*-1,2,4-triazole;
3-(2-chlorophenyl)-5-(2,3-dichlorophenyl)-4-methyl-4*H*-1,2,4-triazole;
3-(2-bromophenyl)-5-(2-chlorophenyl)-4-methyl-4*H*-1,2,4-triazole;
3-[2-(4-fluorophenoxy)phenyl]-4-methyl-5-[2-(trifluoromethyl)phenyl]-4*H*-1,2,4-triazole;
3-(2-chlorophenyl)-5-[2-chloro-3-(trifluoromethyl)phenyl]-4-methyl-4*H*-1,2,4-triazole; and
4-[4-methyl-5-(1,2,3-trimethyl-1*H*-indol-5-yl)-4*H*-1,2,4-triazol-3-yl]phenol;
or a pharmaceutically acceptable salt thereof.

21. A pharmaceutical composition comprising a compound in accordance with Claim 16 in combination with a pharmaceutically acceptable carrier.

22. A pharmaceutical composition comprising a compound in accordance with Claim 20 in combination with a pharmaceutically acceptable carrier.